

HIGHLY ERODIBLE SOIL MAP UNIT LIST
 LYON COUNTY
 C = .20, R = 120

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME	T	K	I	TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS	HELC
MN0186	6	AASTAD CLAY LOAM, 0 TO 2 PERCENT SLOPES	5	0.24	48	1	200	0.16	NHEL
ND0007	341	ARVILLA SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	0.20	86	1	200	0.16	NHEL
ND0007	341B	ARVILLA SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	0.20	86	4	175	0.50	NHEL
ND0007	341C	ARVILLA SANDY LOAM, 6 TO 12 PERCENT SLOPES	3	0.20	86	9	150	1.40	PHEL*
ND0007	904B2	ARVILLA-BARNES-BUSE COMPLEX, 2 TO 6 PERCENT SLOPES, ERODED***	3	0.20	86	4	175	0.50	NHEL
ND0007	904C2	ARVILLA-BUSE-BARNES COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED***	3	0.20	86	9	150	1.40	PHEL*
ND0007	953C	ARVILLA-STORDEN-VES COMPLEX, 6 TO 15 PERCENT SLOPES***	3	0.20	86	11	150	1.90	PHEL*
ND0119	33B	BARNES LOAM, 1 TO 4 PERCENT SLOPES	5	0.28	48	3	175	0.34	NHEL
ND0119	33B2	BARNES LOAM, 3 TO 6 PERCENT SLOPES, ERODED	5	0.28	48	5	175	0.71	NHEL
MN0142	902C2	BARNES-BUSE LOAMS, 6 TO 12 PERCENT SLOPES, ERODED***	5	0.28	86	9	150	1.40	PHEL*
ND0296	1809	BEARDEN COMPLEX	5	0.28	86	1	200	0.16	NHEL
MN0142	437E	BUSE LOAM, 18 TO 25 PERCENT SLOPES	5	0.28	86	22	100	4.80	HEL
MN0142	437F	BUSE LOAM, 25 TO 40 PERCENT SLOPES	5	0.28	86	33	100	9.50	HEL
MN0142	913D2	BUSE-BARNES LOAMS, 12 TO 18 PERCENT SLOPES, ERODED***	5	0.28	86	15	100	2.50	HEL
MN0142	915D2	BUSE-FORMAN COMPLEX, 12 TO 18 PERCENT SLOPES, ERODED***	5	0.28	86	15	100	2.50	HEL
SD0052	917D2	BUSE-SIOUX COMPLEX, 12 TO 18 PERCENT SLOPES, ERODED***	2	0.28	56	15	100	2.50	HEL
SD0052	917E	BUSE-SIOUX COMPLEX, 18 TO 40 PERCENT SLOPES***	2	0.28	56	29	100	7.60	HEL
MN0059	86	CANISTEO CLAY LOAM	5	0.24	86	1	200	0.16	NHEL
ND0295	1810	COLVIN COMPLEX	5	0.32	86	1	200	0.16	NHEL
MN0067	494B	DARNEN LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	175	0.50	NHEL
IA0161	149B	EVERLY CLAY LOAM, 2 TO 4 PERCENT SLOPES	5	0.24	48	3	175	0.34	NHEL
IA0565	149B2	EVERLY CLAY LOAM, 3 TO 6 PERCENT SLOPES, ERODED	5	0.28	48	5	175	0.71	NHEL
IA0161	149C2	EVERLY CLAY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.24	48	9	150	1.40	PHEL*
MN0069	36	FLOM CLAY LOAM	5	0.28	48	1	200	0.16	NHEL
SD0178	339	FORDVILLE LOAM, 0 TO 2 PERCENT SLOPES	4	0.24	48	1	200	0.16	NHEL
SD0178	339B	FORDVILLE LOAM, 2 TO 6 PERCENT SLOPES	4	0.24	48	4	175	0.50	NHEL
ND0137	168B	FORMAN CLAY LOAM, 2 TO 4 PERCENT SLOPES	5	0.28	48	3	175	0.34	NHEL
ND0137	168B2	FORMAN CLAY LOAM, 3 TO 6 PERCENT SLOPES, ERODED	5	0.28	48	5	175	0.71	NHEL
MN0142	915C2	FORMAN-BUSE COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED***	5	0.28	86	9	150	1.40	PHEL*
MN0187	210	FULDA SILTY CLAY	5	0.28	86	1	200	0.16	NHEL
MN0026	114	GLENCOE SILTY CLAY LOAM	5	0.28	38	1	200	0.16	NHEL
ND0243	184	HAMERLY LOAM, 1 TO 3 PERCENT SLOPES	5	0.28	86	2	200	0.24	NHEL
ND0109	51	LA PRAIRIE LOAM	5	0.28	48	1	200	0.16	NHEL
SD0176	986	LAMOURE AND LA PRAIRIE SOILS, FREQUENTLY FLOODED***	5	0.28	86	1	200	0.16	NHEL
SD0176	418	LAMOURE SILTY CLAY LOAM	5	0.28	86	1	200	0.16	NHEL
MN0106	241	LETRI CLAY LOAM	5	0.28	48	1	200	0.16	NHEL
MN0173	347	MALACHY LOAM	4	0.20	56	1	200	0.16	NHEL
MN0103	246	MARYSLAND LOAM	4	0.28	86	1	200	0.16	NHEL
MN0155	446	NORMANIA LOAM, 1 TO 3 PERCENT SLOPES	5	0.24	48	2	200	0.24	NHEL
SD0174	1814	OLDHAM SILTY CLAY	5	0.28	86	1	200	0.16	NHEL
SD0174	276	OLDHAM SILTY CLAY LOAM	5	0.28	86	1	200	0.16	NHEL
SD0180	284B	POINSETT SILTY CLAY LOAM, 1 TO 4 PERCENT SLOPES	5	0.32	38	3	175	0.34	NHEL
SD0180	284B2	POINSETT SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES, ERODED	5	0.32	38	5	175	0.71	NHEL
SD0180	284C2	POINSETT SILTY CLAY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.32	38	9	150	1.40	PHEL*
MN0075	344	QUAM SILTY CLAY LOAM	5	0.28	38	1	200	0.16	NHEL
SD0177	450	RAUVILLE SILTY CLAY LOAM	5	0.28	86	1	200	0.16	NHEL
IA0159	219	ROLFE LOAM	3	0.37	48	1	200	0.16	NHEL
MN0154	423	SEAFORTH LOAM, 1 TO 3 PERCENT SLOPES	5	0.28	86	2	200	0.24	NHEL
SD0054	212	SINAI SILTY CLAY, 1 TO 3 PERCENT SLOPES	5	0.28	86	2	200	0.24	NHEL
SD0052	402E	SIOUX SOILS, 2 TO 40 PERCENT SLOPES	2	0.28	56	21	100	4.40	PHEL
MN0063	894D2	STORDEN-EVERLY COMPLEX, 12 TO 18 PERCENT SLOPES, ERODED***	5	0.28	86	15	100	2.50	HEL
MN0063	954D2	STORDEN-VES LOAMS, 12 TO 18 PERCENT SLOPES, ERODED***	5	0.28	86	15	100	2.50	HEL

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME	TYPICAL				TYPICAL		
			T	K	I	SLOPE PERCENT	SLOPE LENGTH	LS	HELC
MN0063	954C2	STORDEN-VES LOAMS, 5 TO 12 PERCENT SLOPES, ERODED***	5	0.28	86	9	150	1.40	PHEL*
MN0156	954C2	STORDEN-VES LOAMS, 5 TO 12 PERCENT SLOPES, ERODED	5	0.24	48	9	150	1.40	PHEL*
ND0231	70	SVEA LOAM, 1 TO 3 PERCENT SLOPES	5	0.28	48	2	200	0.24	NHEL
MN0078	127	SVERDRUP SANDY LOAM, 0 TO 2 PERCENT SLOPES	4	0.20	86	1	200	0.16	NHEL
MN0078	127B	SVERDRUP SANDY LOAM, 2 TO 6 PERCENT SLOPES	4	0.20	86	4	175	0.50	NHEL
MN0079	335	URNESS SILT LOAM	5	0.28	86	1	200	0.16	NHEL
MN0055	236	VALLERS CLAY LOAM	5	0.28	86	1	200	0.16	NHEL
MN0156	421B	VES LOAM, 1 TO 4 PERCENT SLOPES	5	0.24	48	3	175	0.34	NHEL
MN0156	421B2	VES LOAM, 3 TO 6 PERCENT SLOPES, ERODED	5	0.24	48	5	175	0.71	NHEL
MN0209	345	WILMONTON CLAY LOAM	5	0.28	48	1	200	0.16	NHEL

HIGHLY ERODIBLE LAND CLASSIFICATION

NHEL = NOT HIGHLY ERODIBLE LAND

PHEL = POTENTIALLY HIGHLY ERODIBLE LAND AND REQUIRES A FIELD VISIT TO DETERMINE A REPRESENTATIVE SLOPE PERCENT AND LENGTH FOR FSA PURPOSES.

HEL = HIGHLY ERODIBLE LAND

* THESE PHEL MAP UNITS ARE CONSIDERED HEL BASED ON TYPICAL SLOPE PERCENTAGE AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

** THESE PHEL MAP UNITS ARE CONSIDERED NHEL BASED ON TYPICAL SLOPE PERCENTAGES AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

*** USE THE MOST LIMITING SOIL IN THE COMPLEX TO DETERMINE THE RATING. ONLY ONE RATING IS GIVEN FOR A COMPLEX.

HELC FOR WIND EROSION IS BASED ON THE C X I DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.

HELC FOR WATER EROSION IS BASED ON THE R X K X LS DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.